

SLINGSBY SAILPLANES

KIRKBYMOORSIDE

YORK YO6 6EZ

TECHNICAL INSTRUCTION NO.70

SLINGSBY T.53B and LATER VARIANT YS. 53

REPLACEMENT OF AFT ATTACHMENT FITTING

IN THE WING CENTRE SECTION

MODIFICATION NO.37

APPLICABILITY

This Instruction is applicable to all T.53B Gliders and to later variant, YS53, by Yorkshire Sailplanes.

COMPLIANCE

This modification is mandatory on all gliders listed above. The restrictions imposed in Slingsby Sailplanes' Technical Instruction No.69 remain in force until this modification has been embodied, when the aircraft resumes its original flying limits.

This modification must be carried out by An Appointed Repair Organisation.

PROCEDURE

- 1) With the aircraft derigged, remove the eight bolts attaching the rear fuselage pickup brackets to the rear spar members of the wing centre section. Remove the two bolts attaching the brackets to the fuselage frame.
- 2) Shorten the distance tubes removed at 1) such that they fit inside the new bracket, Part No. 53B-10-168, issue 5.
- 3) Taking care that the holes in the light alloy rear spar members are not enlarged at all, fit the new bracket, Part No. 53B-10-168, issue 5, using the bolts supplied. Anti-fretting jointing compound (Duralac or Celoseal) should be applied to all mating surfaces prior to assembly and the bolts peened over to lock after assembly.

Technical Instruction No. 70 (continued)

PROCEDURE (continued)

- 4) The centre section can now be re-bolted to the fuselage.
- 5) Rig the aircraft and ensure that all the rigging angles and distances are within the limits laid down. Check also for full and free movement of all controls.

PARTS REQUIRED

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| 1. | Bracket - Part No.T53B-10-168, Issue 5, | 2 off |
| 2. | Bolt A25/18C | 8 off |
| 3. | Nut A27/C | 8 off |
| 4. | Jointing Compound | As required |

A Kit of Parts may be obtained from Slingsby Sailplanes, Ings Lane, Kirkbymoorside, YORK, YO6 6EZ, England.